

(19) World Intellectual Property Organisation
International Bureau(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number:
WO 2005/075413 A1

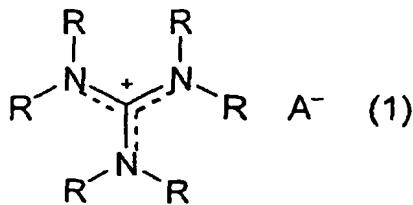
- (51) International Patent Classification⁷: C07C 277/08, 279/04, C07D 233/48, 233/28, C07C 211/15
- (21) International Application Number: PCT/EP2005/000389
- (22) International Filing Date: 17 January 2005 (17.01.2005)
- (25) Filing Language: German
- (26) Publication Language: German
- (30) Priority Data: 10 2004 005 404.5 3 February 2004 (03.02.2004) DE
- (71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): IGNATYEV, Nikolai [UA/DE]; Prinzenstr. 104, 47058 Duisburg (DE). WELZ-BIERMANN, Urs [DE/DE]; Rebschulweg 8, 64646 Hephenheim (DE). BISSKY, German [UA/DE]; Vorm Holz 4, 42119 Wuppertal (DE). WILLNER, Helge [DE/DE]; Foehrenkamp 3, 45481 Muelheim/Ruhr (DE).
- (74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated states (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF GUANIDINIUM SALTS



(57) Abstract: The present invention relates to a two-step process for the preparation of guanidinium salts of the formula (1), where the substituents R have a meaning indicated in Claim , and A⁻ is a sulfonate, alkyl- or arylsulfate, hydrogensulfate, imide, methanide, carboxylate, phosphate, phosphinate, phosphonate, borate, thiocyanate, perchlorate, fluorosilicate or nitrate, and to intermediate compounds from this process.